PATENT COOPERATION TREATY

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INTERNATIONAL S	EARCHING AUTH	ORITY			
To: STEVEN J. PENNER GREENLEE, WINNER AND SULLIVAN, P.C.			PCT		
4875 PEARL EAST CIRCLE			WR	ITTEN OPINION OF THE	
SUITE 200 BOULDER, CO 80	301		INTERNATIO	ONAL SEARCHING AUTHORITY	
				(PCT Rule 43bis.1)	
			Date of mailing (day/month/year)	07 JUL 2005	
Applicant's or agent	's file reference		FOR FURTHER	ACTION See paragraph 2 below	
3-05WO		T T		Priority date (day/month/year)	
International applica	tion No.	International filing date			
PCT/US05/04275	Classification (IPC)	09 February 2005 (09.02 or both national classification	.2005) on and IPC	09 February 2004 (09.02.2004)	
1		or total individur cursorious			
IPC(7): A61B 17/06 Applicant	and US CI.: 600/22				
ECLECTIC GREY	MATER DESIGNS,	LLC			
1. This opinion co	ntains indications rel	ating to the following item	s:	•	
Box No.					
Box No.		, оривон			
		-t		stive stee and industrial applicability	
	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No.		ty of invention			
Box No.	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
Box No.	VI Certain doc	uments cited		,	
Box No.	VII Certain defe	cts in the international app	olication	:	
Box No.	VIII Certain obs	ervations on the internation	ral application	:	
2. FURTHER A	CTION				
If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1 bis(b) that written opinions of this International Searching Authority will not be so considered.					
If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.					
For further options, see Form PCT/ISA/220.					
3. For further details, see notes to Form PCT/ISA/220.					
Name and mailing address of the ISA/US Authorized officer					
Mail Stop PCT, Attn: ISA/US Commissioner for Patents			Julian W. Woo	And Heath	
P.O. Box 145	0			O / 1	
Alexandria, V Facsimile No. (703) 3	/irginia 22313-1450 05-3230		Telephone No. 57	1-272-2915	

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US0S/04275

Box No. V Reasoned statement under Rule 43 bis. I (a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. Statement					
Novelty (N)	Claims 2-13,18,19,24-28,30,31,34-36	YES			
	Claims 1,14-17,20-23,29,32,33	NO			
Inventive step (IS)	Claims 2-13,18,19,24-28,30,31,34-36	YES			
	Claims <u>1.14-17.20-23.29.32.33</u>	NO			
Industrial applicability (IA)	Claims 1-36	YES			
	Claims NONE	NO			

2. Citations and explanations:

Claims I, 14-17, 20-23, 29, 32, and 33 lack novelty under PCT Article 33(2) as being anticipated by Thomas et al. (5,549,629). Thomas et al. disclose, in figures 2 and 4 and in col. I, line 7-33 and col. 2, lines I I-26, a suture needle assembly, a method of suturing, or a suturing kit, where the suture needle assembly or kit includes a suture needle (8), an activatable sheath (7) or hood-shaped shield, a needle holder (13), and suture material (4); where the sheath is reversibly activatable (i.e., movable) in intially armed or disarmed configurations, where the needle comprises an aperture (9) or groove, where the sheath is substantially flush along a needle outer surface in a retracted position.

Claims 2-13, 18, 19, 24-28, 30, 31, and 34-36 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest a suture needle assembly, a method of suturing, a suturing kit, or a suturing needle that includes a suture needle and an activatable sheath, where the sheath is activatable by electricity or heat, where the assembly has a sheath activator that is electrically or thermally responsive, where the sheath comprises a cylindrical projection or loop, where a needle holder comprise first and second holding tips energetically connected to an energy source, and where the suture needle comprises a unifying element connected to a needle casing and capable of preventing dissociation of needle parts.

Claims 1-36 meet the criteria set out in PCT Article 33(4), and thus a suture needle assembly or kit or suture needle industrial applicability because the subject matter claimed can be made or used in industry.

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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US05/04275

Box	No	o. I Basis of this opinion
		egard to the language, this opinion has been established on the basis of the international application in the language in which it led, unless otherwise indicated under this item.
		This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
		regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed ion, this opinion has been established on the basis of:
ŧ	a.	type of material
		a sequence listing
		table(s) related to the sequence listing
ŧ	b.	format of material
		in written format
		in computer readable form
c	C.	time of filing/furnishing
		contained in international application as filed.
	\	filed together with the international application in computer readable form.
	1	furnished subsequently to this Authority for the purposes of search.
	-	
3. 🔲	٠,	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Add	ditic	onal comments:
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

Box No. VIII Certain observations on the clarity of the claims, description, and drawings or on the questions whether the claims are fully supported by the description, are made: Claims 1-34 are objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claims 1-34 are indefinite for the following reason(s): With respect to base claim 1, it is not certain how the sheath is "activatable." That is, what characterizes sheath activation?	INT	ERNATIONAL SEARCHING AUTHORITY	PCT/US05/04275			
supported by the description, are made: Claims 1-34 are objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claims 1-34 are indefinite for the following reason(s): With respect to base claim 1, it is not certain how the sheath is "activatable." That is, what characterizes sheath activation?	Box No. VIII	Certain observations on the international application				
following reason(s): With respect to base claim 1, it is not certain how the sheath is "activatable." That is, what characterizes sheath activation?	The following of supported by the	bservations on the clarity of the claims, description, and drawings of description, are made:	or on the questions whether the claims are fully			
	following reason	following reason(s): With respect to base claim 1, it is not certain how the sheath is "activatable." That is, what characterizes sheath				
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